

Product Datasheet

Product ID: OVLP-00360

High-Performance Log-Periodic Antenna OVLP-00360

The OVLP00360 is a high-performance log-periodic antenna, designed for emission measurement and immunity tests, operating in a wide frequency range from 30 MHz to 6000 MHz. This design helps reduce measurement times since users do not need to change antennas during the process. With symmetry of radiation patterns across the E, H plane and matching (VSWR), the OVLP00360 is also commonly used in EMS measurements where field strengths of 10V/m or higher are required.

This model integrates the characteristics of both biconical and log-periodic antenna. Typically, the V-shaped part of the antenna guarantee to increase gain and achieve an almost rotation-symmetrical radiation pattern. It features a compact size and light weight construction, making it easy to handle and install, while its high gain and low antenna factor are also another key strength to improve the performance of the antenna.

Features

Wide bandwidth from 30MHz to 6GHz.

High gain of 8dBi above 200MHz.

Detailed calibration data with 533 points.

Compact and sturdy design.

MTBF over 200,000 hours.

Applications

Satellite communication.

EMC measurements.

Directional radio communication.

Classification

Frequency	30MHz-6GHz
Polarization	linear
Cross-polarization	< -25 dB (typ.)
MTBF	> 100000 h
Nominal impedance	50
Operating temperature range	-40 to +40°C
Gain (dBi)	8.5 dBi (typ.)
VSWR	< 2 (typ.)
Max Input Power(W)	225 W
RF connector	N female
Dimensions(m)	0.57*1.43*1.65
Weight (kg)	5

